

A. CLASSIFICATION OF SUBJECT MATTER
1PC 7 C07K16/12 C07K16/02 A61K39/40 A61K39/42 A61K35/74 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C07K A61K Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ⁹ Citation of document, with indication, where appropriate, of the relevant passages Relevant to dalm No. X FULTON R M ET AL: "Prevention of Salmonella enteritidis infection in 7-11. 14-17.21 commercial ducklings by oral chicken egg-derived antibody alone or in combination with problotics" POULTRY SCIENCE, vol. 81, no. 1, January 2002 (2002-01), pages 34-40, XP008038267 ISSN: 0032-5791 Y the whole document 5,12,19 X Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special calegories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention *E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filling date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled *O" document referring to an oral disclosure, use, exhibition or in the art. document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 0 2 03. 2005 12 November 2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016 Hagenmaier, S

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C (Continu	etion) DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/CA2004/001005			
	alegory • Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim				
X	TELLEZ G ET AL: "EVALUATION OF AVIAN-SPECIFIC PROBIOTIC AND SALMONELLA HEIDELBERG-SPECIFIC ANTIBODIES ON CECAL COLONIZATION AND ORGAN INVASION OF SALMONELLA ENTERITIDIS IN BROILERS" JOURNAL OF FOOD PROTECTION, DES MOINES, IO, US, vol. 64, no. 3, 2001, pages 287-291, XP008025680 ISSN: 0362-028X	1-4, 7-11, 14-17,21			
Υ	the whole document	5,12,19			
X	WO 94/21284 A (PHARMA PACIFIC PTY LTD; CHANDLER DAVID SPENCER (AU); REED BENJAMIN JO) 29 September 1994 (1994-09-29)	1-4, 6-11, 13-18, 20,21			
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Y	page 3, line 20 - line 24 page 5, line 19 - line 22 page 5, line 35 - page 6, line 3	5,12,19			
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Υ	WO 98/55143 A (CAMA VITALIANO ; UNIV ARIZONA (US); STERLING CHARLES R (US)) 10 December 1998 (1998-12-10) the whole document	1,2,8,9, 15,16			
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Y	WO 97/06811 A (EWOS AB; BOWMAN DAVID SCOTT (SE); KJELLEBERG STAFFAN (AU); CONWAY PAT) 27 February 1997 (1997-02-27) the whole document	1,2,8,9, 15,16			
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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.				
Y	ROBERTSON P A W ET AL: "Use of Carnobacterium sp. as a probiotic for Atlantic salmon (Salmo salar L.) and rainbow trout (Oncorhynchus mykiss, Walbaum)" AQUACULTURE, vol. 185, no. 3-4, 25 May 2000 (2000-05-25), pages 235-243, XP002304580 ISSN: 0044-8486 the whole document	1,2,8,9, 15,16				
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information on patent family members

etional Application No PCT/CA2004/001005

Patent document Publication cited in search report date			Patent family member(s)		Publication date
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hternational application No. PCT/CA2004/001005

Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This inte	mational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Although claims 15-21 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
з. 🔲	Claims Nos.:
-	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inte	omational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
1.	As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. χ	No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1,2,8,9,15,16(all partially);4-7,11-14,18-21(all completely)
Remari	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2,8,9,15,16 (all partially); 4-7,11-14,18-21 (all completely)

A pharmaceutical composition comprising polyclonal antibodies directed against at least one enteric pathogen and a probiotic, wherein in particular the enteric pathogen is aeromonas hydrophilia; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

2. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Bacillus cereus and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

3. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Vibrio parahemolyticus, Vibrio cholerae 01, Vibrio cholerae non-01 or Vibrio vulnificus, and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

4. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Salmonella enterica and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

5. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Salmonella typhi and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

A pharmaceutical composition comprising polyclonal antibodies directed against at least Salmonella paratyphi and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

7. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Salmonella entertidis and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

8. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Salmonella cholerasuis and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

9. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Salmonella typhimurium and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

10. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Clostridium difficile and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

11. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Clostridium botulinum and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

A pharmaceutical composition comprising polyclonal antibodies directed against at least Clostridium perfringens and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

13. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Staphylococcus aureus and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

14. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least E.coli and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

15. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Campylobacter jejuni, Campylobacter coli, Campylobacter lari or Campylobacter fetus, and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

16. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Yersinia enterolitica, Yersinia pestis or Yersinia pseudotuberculosis, and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

17. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Plesiomonas shigelloides and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

A pharmaceutical composition comprising polyclonal antibodies directed against at least Listeria monocytogenes and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

19. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least enteric viruses and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

20. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least rotavirus and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

21. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Norwalk-like viruses and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

22. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least enteric adenoviruses and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

23. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least coronavirus and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

A pharmaceutical composition comprising polyclonal antibodies directed against at least enteric parasites and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

25. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least fungi and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

26. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Cryptosporidium and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

27. claims: 1,2,8,9,15,16 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least Cyclospora and a probiotic; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

28. claims: 1,3,8,10,15,17 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least one enteric pathogen and a problotic wherein the problotic is a Lactobacilli species; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

29. claims: 1,3,8,10,15,17 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least one enteric pathogen and a problotic wherein the problotic is a Bifidobacteria species; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

A pharmaceutical composition comprising polyclonal antibodies directed against at least one enteric pathogen and a problotic wherein the problotic is a Saccharomyces species; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

31. claims: 1,3,8,10,15,17 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least one enteric pathogen and a probiotic wherein the probiotic is a Enterococci species; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

32. claims: 1,3,8,10,15,17 (all partially)

A pharmaceutical composition comprising polyclonal antibodies directed against at least one enteric pathogen and a probiotic wherein the probiotic is a Eubacteria; method for preparing such composition; method of treating or preventing a gastrointestinal illness using such composition.

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